

ART IX.—*Additions to the Catalogue of Victorian Marine Mollusca.*

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This paper embraces eight additional genera, namely, *Astelena*, *Eurytrochus*, *Tectarius*, *Terenochiton*, *Callistelasma*, *Icoplax*, *Haploplax*, and *Heterozona*; also 25 additional species.

We have not included any more alterations in the nomenclature, although many have been made since we read our last paper on 10th November, 1921.

Probably some of the more recent names may not be generally accepted, so we will not refer to them in this paper, but limit it to species that we have not previously recorded as being found on our coast.

CYMATIUM PARTHENOPEUM, von Salis.

- 1778. *Murex costatus*, Born. Test. Mus. Caes. Vindob., p. 295. Not Pennant 1777.
- 1793. *Murex parthenopus*, von Salis. Reis. Ncap., p. 370, pl. 7, f. 1.
- 1798. *Tritonium simpulum*, Bolten. Mus. Bolt., p. 128.
- 1817. *Murex parthenopus*, Dillwyn. Descrip. Cata., vol. 2, p. 696.
- 1855. *Murex olcarium*, auct., not Linnaeus, Hanley, Ips. Linn. Conch., p. 287.
- 1913. *Septa costata*, Born. Suter, Man. N.Z. Moll., p. 305, pl. 43, f. 2.
- 1915. *Cymatium australasiae*, Perry, Hedley, P.L.S. N.S.W. for 1914, v. 39, p. 719.
- 1918. *Cymatium parthenopeum*, von Salis. Hed., Jour. Roy. Soc. N.S.W., v. 51, p. M66.

Hab.—Portland.

Distrib.—Bay of Naples (Dill.), Northern N.Z.; Meditn.; West Ind.; Brazil; Cape of Good Hope; Australia and New Z.; Japan and Society Isls. (Suter); Brisbane to Sydney, Great Australian Bight (Hedley); Japan; Victoria (C.J.G.).

Size.— $5 \times 2\frac{1}{2}$ inches (Dill.) 9×5.3 c.m. (Suter).

Remarks.—The Australian specimens are higher proportionately in the spire than the specimen figured by Suter.

DRILLIA SPADIX, Watson.

- 1886. *Pleurotoma (Drillia) spadix*, Watson. Chall. Zool., v. 15, p. 310, pl. 26, f. 6.
- 1922. *Inquisitor spadix*, Watson. Hedley, Rec. Aust. Mus., v. 13, p. 245.

Hab.—80 fathoms, Gabo Island ("Endeavour").

DRILLIA LYGDINA, Hedley.

1922. *Melatoma lygdina*, Hed. Id., p. 252, pl. 45, f. 44.

Hab.—150 to 200 fathoms, off Gabo Island ("Endeavour").

Obs.—Size of Type. Length 27, breadth 8.5 mm. "This species is represented by a single specimen with an imperfect apex."

DRILLIA SUBVIRIDIS, May.

1911. *Drillia subviridis*, May. P.R.S. Tas. for 1910, p. 392, pl. 14, f. 18.

1921. *Austrodrillia subviridis*, May. Check list Moll. Tas., p. 76.

1922. *Melatoma subviridis*, May. Hedley, Id., p. 253.

1923. *Austrodrillia subviridis*, May. May, Ill. Index Tas. Shells, p. 75, pl. 35, f. 18.

Hab.—80 fathoms, Gabo Island ("Endeavour").

Obs.—Size of Type. Length 16, breadth 6 mm., but a cotype is 20 mm. long.

MANGILIA BRAZIERI, Angas.

1871. *Clathurella brazieri*, Ang. P.Z.S. Lond., p. 18, pl. 1, f. 21.

1922. *Guraleus brazieri*, Ang. Hedley, Id., p. 312, pl. 52, f. 138.

Hab.—Port Albert (Worcester).

Obs.—Size of Type. Length 6, breadth 1.5 mm. Our Port Albert specimens were identified by Mr. Hedley and resemble his figure but not that of Angas.

MANGILIA MOROLOGUS, Hedley.

1922. *Guraleus morologus*, Hedley. Id., p. 319, pl. 52, f. 146.

Hab.—Western Port. Dredged in 6 to 8 fathoms.

Obs.—Size of Type. Length 8, breadth 3 mm.

MANGILIA CUSPIS, Sowerby.

1896. *Mangilia cuspis*, Sowb., P.Mal. Soc. Lond., v. 2, p. 31, pl. 3, f. 17.

1909. *Clathurella letourneuxiana*, Crosse and Fischer, var. *cuspis*, Sowb. Verco, T.R.S. S.A., v. 33, p. 309.

1921. *Guraleus cuspis*, Sowb. May, Check list Moll. Tas., p. 74, No. 721.

1922. *Guraleus cuspis*, Sowb. Hedley, Id., p. 314.

1923. *Guraleus cuspis*, Sowb. May, Ill. Index Tas. Shells, p. 73, pl. 34, f. 25.

Hab.—Dromana, Port Phillip.

Obs.—Size of Type. Length 8.50, breadth 3 mm.

POLINICES MELASTOMA, Swainson.

1822. *Natica melastoma*, Sw. Zool. Illustr., 1st series, pl. 79.
 1855. *Natica sanguinolenta*, Desh. Reeve. Conch. Icon., v. 9, pl. 18, f. 78.
 1883. *Natica melastoma*, Sw. Sowerby, Thes. Conch., v. 5, p. 87, pl. 460, f. 100.

Hab.—Lakes' Entrance, on sand banks (Gabriel).

Obs.—As we have now more specimens of this species from other localities we consider that the variation from *Natica plumbea*, Lk. noted by Pritchard and Gatliff and remarked upon by them, see these Proceedings vol. 12 page 191, is constant and therefore list it as a distinct species.

VERMICULARIA NODOSA, Hedley.

1907. *Vermicularia nodosa*, Hed. Rec. Aust. Mus., v. 6, p. 292, pl. 54, f. 8.

Hab.—San Remo, Western Port, and Cowes, Phillip Island.

Obs.—Size of Type. Major diam., 2.25; minor diam., 1.65 mm.

MELANELLA SCHOUTANICA, May.

1915. *Eulima schoutanica*, May. P.R.S. Tas., p. 89, pl. 3, f. 15.

Hab.—Dredged in about 6 fathoms off Portsea, Port Phillip.

HALIOTIS COCORADIATUM, Reeve.

1846. *Haliotis coco-radiata*, Rve. Conch. Icon., v. 3, pl. 13, f. 46.
 1918. *Haliotis cocoradiatum*, Rve. Hedley. Jour. Roy. Soc. N.S.W., v. 51 for 1917, p. M41.
 1924. *Haliotis coccoradiata*, Rve. Iredale, P.L.S. N.S.W., v. 49, p. 184.

Hab.—Mallacoota (Iredale).

CLANCULUS FLORIDUS, Philippi.

1849. *Trochus floridus*, Philippi. Zeits. f. Mal., v. 6, p. 156.
 1851. *Trochus floridus*, Philippi. Conch. Cab., n.s., v. 2, p. 243, pl. 36, f. 15.
 1889. *Trochus (Clanculus) floridus*, Phil. Pilsbry, Man. Conch., v. 11, p. 53, pl. 10, f. 12, and pl. 14, f. 12-13.

Hab.—Tellaburga Island (Iredale).

Genus *Astelena*, Iredale, 1924.

ASTELENA SCITULA, A. Adams.

1855. *Ziziphinus scitulus*, A. Adams. P.Z.S. Lond. for 1854, p. 38.

1863. *Ziziphinus scitulus*, A. Ad. Reeve, Conch. Icon., v. 14, pl. 6, f. 44.
 1867. *Eutrochus scitulus*, A. Ad. Angas, P.Z.S., Lond., p. 215.
 1918. *Astele scitulus*, A. Ad. Hedley, Jour. Roy. Soc. N.S.W., v. 51, for 1917, p. M45.
 1924. *Astelena scitula*, A. Ad. Iredale, P.L.S. N.S.W., v. 49, p. 230.

Hab.—Mallacoota (Iredale).

Genus **Eurytrochus**, Fischer, 1880.

EURYTROCHUS STRANGEI, A. Adams.

1853. *Monodonta strangei*, A. Ad. P.Z.S. Lond. for 1851, p. 177.
 1867. *Gibbula strangei*, A. Ad. Angas, Id., p. 217.
 1909. *Gibbula dacostana*, Preston. P. Mal. Soc. Lond., v. 8, p. 377, fig. in text.
 1915. *Gibbula strangei*, A. Ad. Hedley, P.L.S. N.S.W., v. 39, p. 709, pl. 81, f. 45.
 1918. *Eurytrochus strangei*, A. Ad. Hedley, Jour. Roy. Soc., N.S.W., v. 51, for 1917, p. M42.
 1924. *Eurytrochus strangei*, A. Ad. Iredale, P.L.S. N.S.W., v. 49, p. 184.

Hab.—Mallacoota (Iredale).

CANTHARIDELLA PICTURATA, Adams and Angas.

1864. *Gibbula picturata*, Ad. and Ang. P.Z.S. Lond., p. 36.
 1889. *Gibbula picturata*, Ad. and Ang. Pilsbry, Man. Conch., v. 11, p. 215, pl. 37, f. 28-30, and pl. 30, f. 7.
 1924. *Cantharidella picturata*, Ad. and Ang. Iredale, P.L.S. N.S.W., v. 49, p. 184.

Hab.—Mallacoota (Iredale).

Obs.—Size of Type. Height, 6 mm. A small, variously coloured species.

CIRSONELLA TRANSLUCIDA, May.

1915. *Cirsonella translucida*, May. P.R.S. Tas., p. 97, pl. 7, f. 38.
 1921. *Cirsonella translucida*, May. Check list Moll. Tas., p. 42, No. 353.
 1923. *Cirsonella translucida*, May. Index Tas. Shells, p. 45, pl. 20, f. 12.

Hab.—Portsea, Port Phillip; Shoreham, Western Port.

Obs.—Size of Type. Height, 2.5; greatest diameter, 2.5; least 2 mm. "Varies much in size. frequently much smaller than the measurements given." Ours are very small.

BROOKULA CREBRESULPTA, Tate.

1899. *Cyclostrema crebresculptum*, Tate, T.R.S. S.A., v. 23, p. 219, pl. 7, f. 5.
 1918. *Brookula crebrisculpta*, Tate. Hedley, Jour. Roy. Soc. N.S.W., v. 51, for 1917, p. M47.
 1921. *Brookula crebrisculpta*, Tate. May, Check list Moll. Tas., p. 42, No. 356.
 1923. *Brookula crebrisculpta*, Tate. May, Index Tas. Shells, p. 45, pl. 20, f. 15.

Hab.—Dredged in 6 to 8 fathoms off Rhyll, Phillip Isl., Western Port.

Obs.—Size of Type. Major diam. .9; minor diam. .76; height .9 mm. As the author remarks "This species is distinguishable from *C. angeli* by more turbinate outline, and by its numerous slender axial threads, which extend on to the base."

Genus *Tectarius*, Valenciennes, 1833.

TECTARIUS TUBERCVLATUS, Menke.

1829. *Litorina tuberculata*, Menke. Verz. Conch. Samml. Malsburg, p. 10.
 1833. *Littorina pyramidalis*, Quoy and Gaimard. Zool. "Astrolabe," v. 2, p. 482, pl. 33, f. 12-15.
 1859. *Tectarius pyramidalis*, Quoy and G. Chenu, Man. Conch., v. 1, p. 301, f. 2115.
 1924. *Tectarius tuberculatus*, Menke, Iredale, P.L.S. N.S.W., v. 49, p. 243.

Hab.—Mallacoota (Iredale).

PATELLOIDA SUBMARMORATA, Pilsbry.

1891. *Acmaca submarmorata*, Pilsbry. Man. Conch., v. 13, p. 52, pl. 42, f. 69-70.
 1924. *Patelloida submarmorata*, Pilsbry. Iredale, P.L.S. N.S.W., v. 49, p. 236.

Hab.—Mallacoota (Iredale).

Genus *Terenochiton*, Iredale, 1914.

TERENOCHITON MATTHEWSIANUS, Bednall.

1906. *Lepidopleurus matthewsianus*, Bednall. P. Mal. Soc. Lond., v. 7, p. 92, pl. 9, f. 1-1f.
 1921. *Lepidopleurus matthewsianus*, Bednall. May, Check list Moll. Tas., p. 30, No. 228.
 1923. *Lepidopleurus matthewsianus*, Bednall. May, Ill. Index Tas. Shells, p. 33, pl. 14, f. 3.
 1925. *Terenochiton matthewsianus*, Bednall. Iredale and Hull, Aust. Zool., v. 3, p. 341, pl. 39, f. 3.

Hab.—Victoria (Iredale and Hull).

Genus *Callistelasma*, Iredale and Hull, 1925.

CALLISTELASMA MERIDIONALIS, Ashby.

1919. *Callistochiton antiquus meridionalis*, Ashby. T.R.S. S.A., v. 43, p. 400, pl. 42, f. 7.
 1920. *Callistochiton meridionalis*, Ashby. Id., p. 285.
 1925. *Callistelasma meridionalis*, Ashby. Iredale and Hull, Id., p. 353, pl. 40, f. 2.

Hab.—Victoria (Iredale and Hull).

Genus *Icoplax*, Thiele, 1892.

ICOPLAX RUFA, Ashby.

1896. *Callochiton platessa*, Sykes (not Gould). P.Mal. Soc. Lond., v. 2, p. 86.
 1900. *Callochiton rufus*, Ashby. T.R.S. S.A., v. 24, p. 87, pl. 1, f. 2a-g.
 1911. ?*Callistochiton rufus*, Ashby. Thiele, Die Fauna Sudwest Aust., v. 3, p. 402.
 1921. *Callistochiton rufus*, Ashby. Ashby, P.R.S. Vic., v. 33, p. 150.
 1925. *Icoplax rufa*, Ashby. Iredale and Hull, Id., p. 348.

Hab.—Port Phillip Heads (J. B. Wilson).

Obs.—Size of Type. Length 16, breadth 10 mm. After describing the species Ashby in his remarks says, "The ornamentation in some respects approximates to *Callochiton platessa*, but that species is much more strongly pitted or decussated, and the longitudinal scimitar-shaped sulci are absent; also it is more strongly beaked than the species now described."

Genus *Haploplax*, Pilsbry, 1894.

HAPLOPLAX SMARAGDINUS, Angas.

1867. *Lophyrus smaragdinus*, Ang. P.Z.S., Lond., p. 115, pl. 13, f. 28.
 1893. *Ischnochiton smaragdinus*, Ang. Pilsbry, Man. Conch., v. 14, p. 137, not pl. 60, f. 20, as in text; but vol. 15, pl. 15, f. 27.
 1921. *Ischnochiton smaragdinus*, Ang. May, Check list Moll. Tas., p. 31, No. 240.
 1923. *Ischnochiton smaragdinus*, Ang. May, Ill. Index Tas. Shells, p. 33, pl. 14, f. 15.
 1923. *Ischnochiton (Haploplax) smaragdinus*, Ang. Ashby, T.R.S. S.A., v. 47, p. 224.
 1924. *Haploplax smaragdinus*, Ang. Iredale and Hull, Id., p. 291, pl. 36, f. 1.

Hab.—Eastern Victoria (Iredale and Hull).

HAPLOPLAX LENTIGINOSA, Sowerby.

1840. *Chiton lentiginosus*, Sowb. Mag. Nat. Hist.
(Charlesworth), v. 4, new series, p. 293.
1840. *Chiton lentiginosus*, Sowb. Conch. Illustr., f. 120.
1892. *Ischnochiton lentiginosus*, Sowb. Pilsbry, Man.
Con., v. 14, p. 135, pl. 27, f. 44.
1924. *Haploplax lentiginosa*, Sowb. Iredale and Hull,
Aust. Zool., v. 3, p. 292, pl. 36, f. 5.
1924. *Haploplax lentiginosa*, Sowb. Iredale, P.L.S.
N.S.W., v. 49, p. 184.

Hab.—Mallacoota, and Lakes' Entrance (Iredale).

Obs.—Size. Length 27, breadth 18 mm. Varying in colour, but spotted with blue. Pilsbry, Man. Con., v. 15, page 82 says it is apparently distinct from *Ischnochiton cyaneopunctatus*, Kiener, a Cape of Good Hope species.

Genus *Heterozona* Dall, 1878.

HETEROZONA SUBVIRIDIS, Iredale and May.

1916. *Heterozona subviridis*, Iredale and May. P. Mal.
Soc. Lond., v. 12, p. 105, pl. 4, f. 2.
1921. *Ischnochiton subviridis*, Iredale and May. May,
Check list Moll. Tas., p. 31, No. 246.
1923. *Ischnochiton subviridis*, Iredale and May. May, Ill.
Index Tas. Shells, p. 35, pl. 15, f. 6.
1923. *Ischnochiton (Heterozona) subviridis*, Iredale and
May, Ashby and Hull, Aust. Zool., v. 3, p. 82.
1924. *Heterozona subviridis*, Iredale and May. Iredale
and Hull, Aust. Zool., v. 3, p. 281, pl. 35, f. 4.

Hab.—Ocean Beach, Phillip Island; Portland.

Obs.—Size of Type. Length 30, breadth 16 mm. As noted by the authors a distinctive feature may be observed in the girdle, "Near the shell small pointed or tending to mucronate scales bearing striae, and comparatively regular for about half the width of the rather broad girdle; the outer half covered with minute scales, irregular and somewhat varying in size."